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GOVERNOR



Department of Environmental Quality

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ABANDONED MINES (307) 332-5085	AIR QUALITY (307) 332-6755	LAND QUALITY (307) 332-3047	SOLID & HAZARDOUS WASTE (307) 332-6924	WATER QUALITY (307) 332-3144
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June 8, 2001

Dolly Potter, Environmental Engineer
Solvay Minerals
P.O. Box 1167
Green River, WY 82935

**RE: Solvay Minerals Green River Soda Ash Plant
Stack Test Review**

Dear Ms. Potter:

The Division has received and reviewed the stack test reports submitted by Solvay Minerals under cover letter dated May 21, 2001. Airtech Environmental Services Inc. was contracted by Solvay to conduct particulate, NO_x, CO, and Hydrocarbon emission tests on the ESP controlled "D" Ore Calciner (AQD #80). Initial compliance testing is required by Chapter 6, Section 2 Permit CT-1347. Sampling was conducted on March 1-2, 2001. Unit AQD #80 has no associated CO or Hydrocarbon permit limitations. CO and Hydrocarbon emissions were measured for company internal use. EPA Reference Methods 1-5/202 were utilized to determine front half and back half inorganic particulate emissions; EPA Reference Method 7E was utilized to determine NO_x emissions; EPA Reference Method 10 was utilized to determine CO emissions; and EPA Reference Methods 25a and 18 were utilized to determine Total Hydrocarbons (as propane), Methane, and Total Non-Methane Hydrocarbons (as propane).

This review of the test data indicates the "D" Ore Calciner (AQD #80) to be operating in compliance with the particulate and NO_x emission limits set by Permit CT-1347. Permit CT-1347 limits particulate emissions from the calciner to 12.25 lb/hr and limits NO_x emissions to 20.00 lb/hr. Review of the test data shows the calciner tested at an average for three one hour test runs at 7.93 lb/hr particulate, 64.7% of it's allowable and 12.0 lb/hr NO_x, 60% of it's allowable. The testing was performed at an average load of 255 TPH, 93% of capacity (275 TPH).

The Division will accept these tests as representative of particulate and NO_x emissions at the time of testing from this source. Summaries of the analyses including the CO and Hydrocarbon testing are attached.

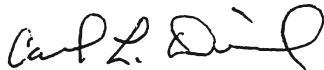
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Please call me at 307-332-6755 if you have questions concerning this matter.

Sincerely,



Carl Disel
Air Quality Engineer
Air Quality Division

cc: T. Hoyt